

WHAT IS CLAIMED IS:

1. An electro-optical device, comprising:
an electro-optical substance;
a pair of substrates holding the electro-optical substance; and
pole-like spacers provided on at least one of the pair of substrates on a to-be-provided surface of the at least one substrate facing the electro-optical substance, the pole-like spacers having, at roots thereof, a slope portion with a surface connecting to the to-be-provided surface.
2. The electro-optical device according to claim 1, further including an orientation film formed on the to-be-provided surface, the pole-like spacers having an elliptic shape in cross-section on a plane in parallel with the to-be-provided surface, and a long diameter of the elliptic shape extending in a direction in agreement with a direction in which the orientation film is rubbed.
3. An electro-optical device, comprising:
an electro-optical substance;
a pair of substrates holding the electro-optical substance;
pole-like spacers provided on at least one of the pair of substrates on a to-be-provided surface of the at least one substrate facing the electro-optical substance; and
an orientation film formed on the to-be-provided surface;
the pole-like spacers having an elliptic shape in cross-section in a direction in parallel with the to-be-provided surface; and
a long diameter of the elliptic shape stretching in a direction in agreement with a direction in which the orientation film is rubbed.
4. The electro-optical device according to claim 1, the slope portion being formed on an entire outer circumference of the pole-like spacers.
5. The electro-optical device according to claim 1, the pole-like spacers having a maximum area of sectional shape on a plane in parallel with the to-be-provided surface and in contact with the to-be-provided surface, and the area decreasing as it extends from the to-be-provided surface.
6. The electro-optical device according to claim 1, the pole-like spacers having at least one of a semi-spherical shape and a semi-elliptic spherical shape.
7. The electro-optical device according to claim 1, a head end of the pole-like spacers including a flat surface.
8. The electro-optical device according to claim 1, further including:

a first striped wiring formed on the at least one substrate;
 a second striped wiring formed on the at least one substrate or the other substrate, and extending in a direction that intersects the first striped wiring;
 switching elements and pixel electrodes formed corresponding to regions where the second striped wiring and the first striped wiring intersect each other; and
 a light-shielding film formed on the at least one substrate or the other substrate at a position corresponding to a position where the first striped wiring and the second striped wiring are formed;

the pole-like spacers being arranged within a width of the light-shielding film.

9. The electro-optical device according to claim 1, further including:

a first striped electrode formed on the at least one substrate;
 a second striped electrode formed on the other substrate, and extending in a direction that intersects the first striped electrode; and
 a light-shielding film formed on the at least one substrate or the other substrate except regions where the first striped electrode and the second striped electrode intersect each other;

the pole-like spacers being arranged within a width of the light-shielding film.

10. An electronic equipment, comprising:

the electro-optical device according to claim 1.